COMPACT DISC PLAYER

DP-601

SERVICE MANUAL

KENWOOD

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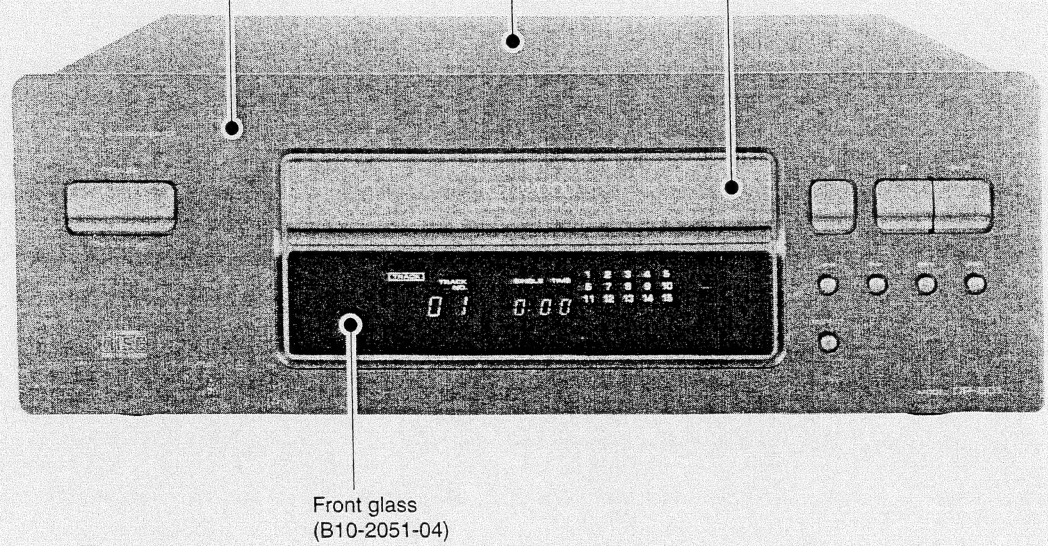
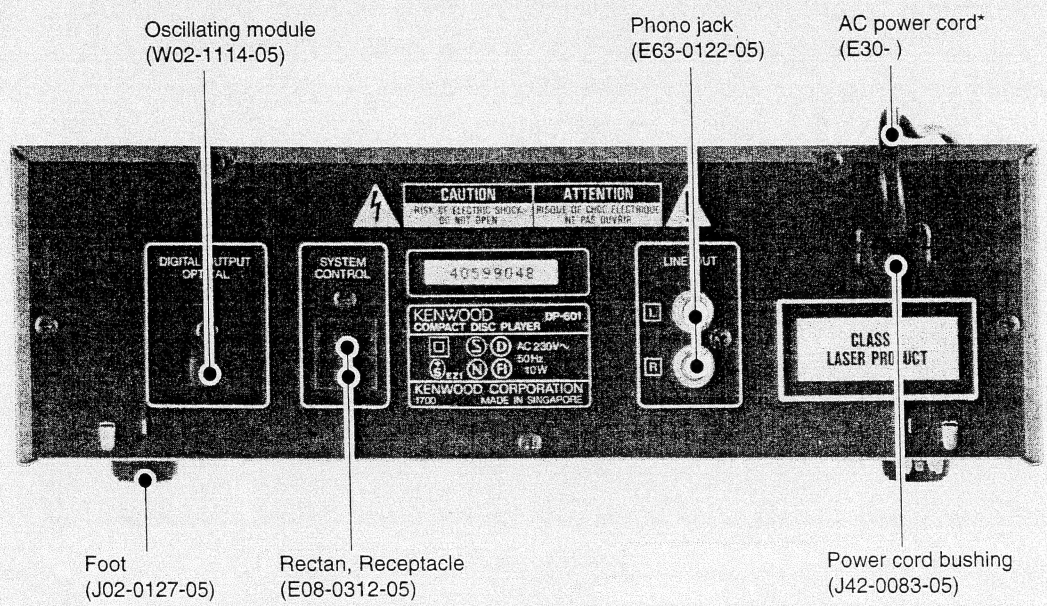
B51-4950-00 (K) 1977





In compliance with Federal Regulations, following are reproductions of labels on, or inside the product relating to laser product safety.

KENWOOD -Corp. certifies this equipment conforms to DHHS Regulations No. 21 CFR 1040. 10, Chapter 1, Subchapter J.

DANGER : Laser radiation when open and interlock defeated. AVOID DIRECT EXPOSURE TO BEAM

Please refer to DP-7060(B51-4938-00) service manual, if need description in detail.

DP-601

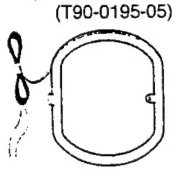
CONTENTS/ACCESSORIES/CAUTION

CONTENTS

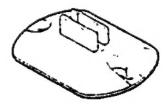
ACCESSORIES

Accessories packaged together with model A-601

AM loop antenna (1) (T90-0195-05)

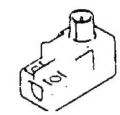


Loop antenna stand (1) (J19-3645-05)

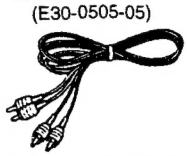


FM indoor antenna (1) (T90-0182-15)

Antenna adaptor (1) (T90-0198-05)

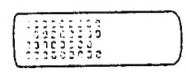


Audio cord (2) (E30-0505-05)



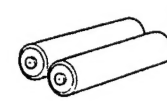
System control cord (1) (E30-2775-05)

Remote control unit (1) (A70-0993-05)



Battery cover: (A09-0170-08)

Batteries (R6/AA) (2)



Accessories packaged together with model X-601

Audio cord (2) (E30-0505-05)

Accessories packaged together with model LS-200G

Speaker cord (2) (E30-5229-00)

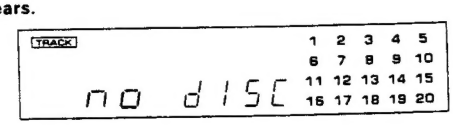
CAUTION

Note related to transportation and movement (CD player)

Before transporting or moving this unit, carry out the following operations.

① **Turn the power ON but do not load a disc.**
- Press the ▶/II key to check that no disc is present on the tray.

② **Wait a few seconds and verify that the display shown appears.**



③ **Turn the power OFF.**

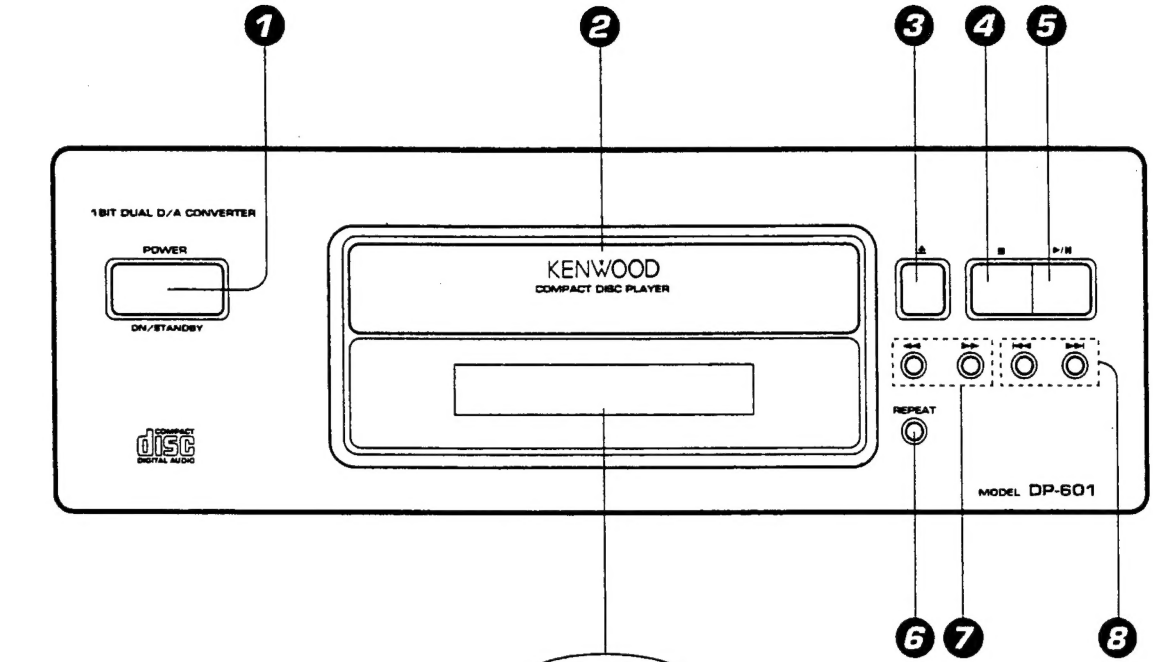
Beware of condensation

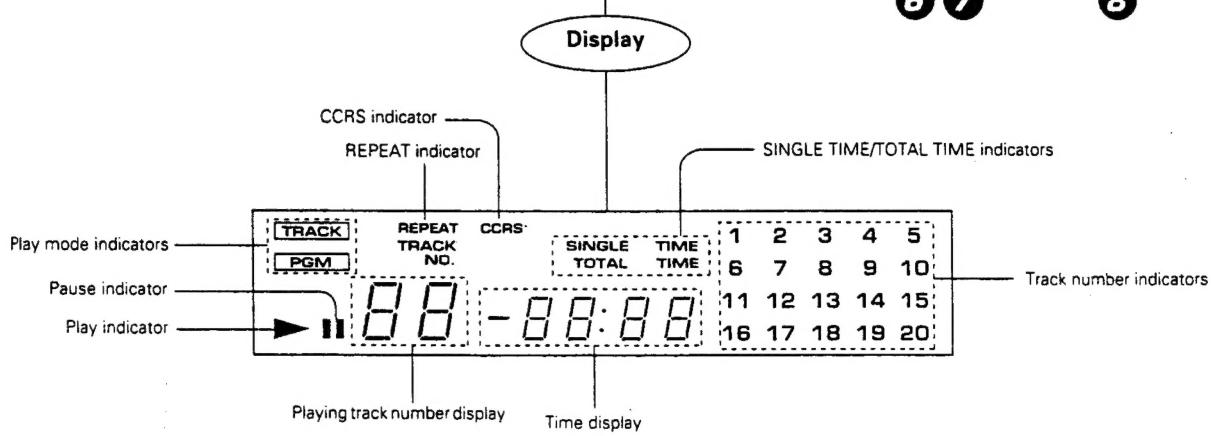
When water vapor comes into contact with the surface of cold material, water drops are produced.
If condensation occurs, correct operation may not be possible, or the unit may not function correctly.
This is not a malfunction, however, and the unit should be dried. (To do this, turn the POWER switch ON and leave the unit as it is for several hours.)

Be especially careful in the following conditions:
- When the unit is brought from a cold place to a warm place, and there is a large temperature difference.
- When a heater starts operating.
- When the unit is brought from an air-conditioned place to a place of high temperature with high humidity.
- When there is a large difference between the internal temperature of the unit and the ambient temperature, or in conditions where condensation occurs easily.

System name	Tuner	Amp	Super woofer	CD player	Cassette deck
HD-600	T-601	A-601	SW-500(Option)	DP-601	X-601

CONTROL





❶ POWER key

❷ Disc tray

❸ Tray open/close key (⏏)

❹ Stop key (■)

❺ Play/pause key (▶/II)

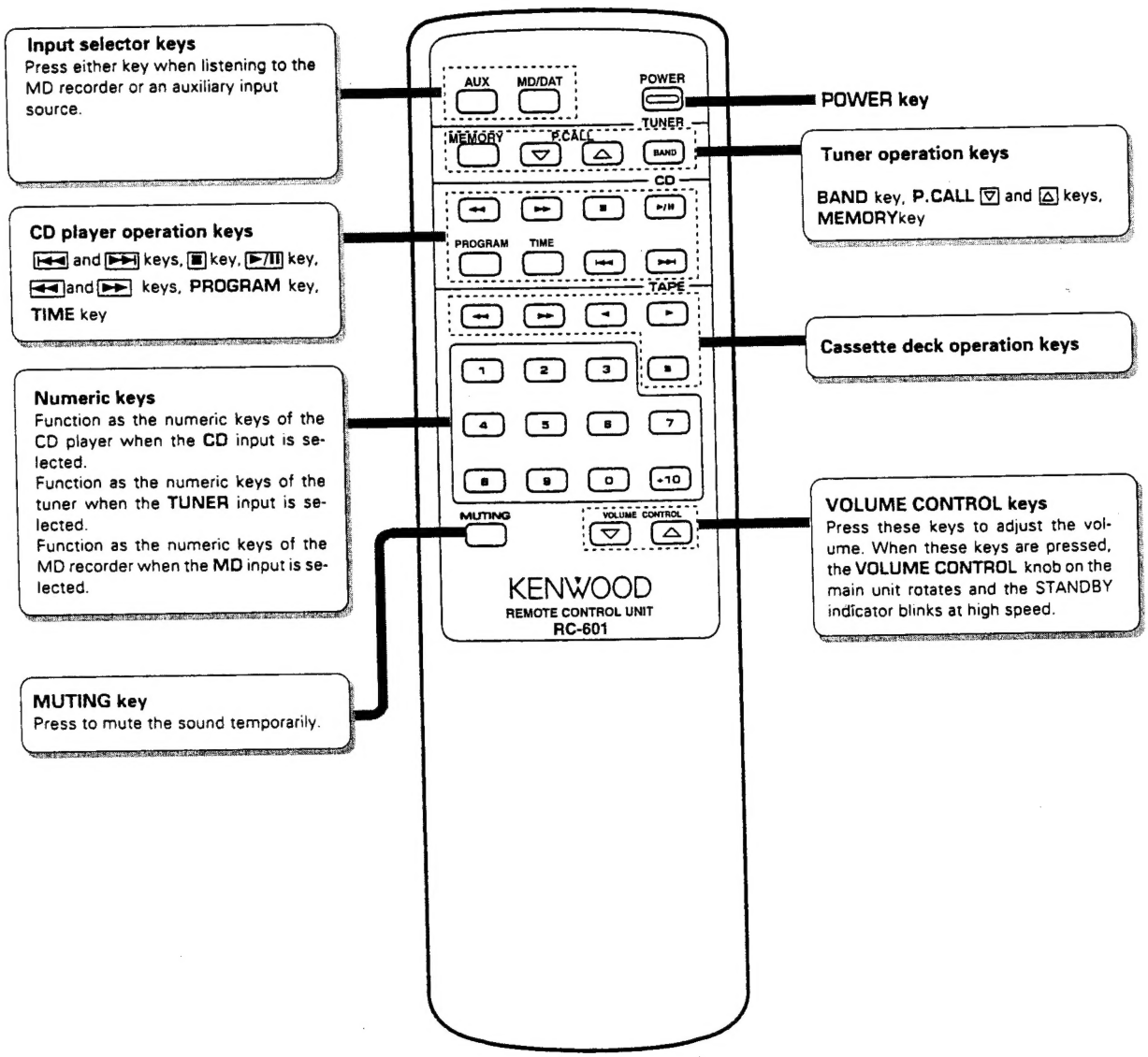
❻ REPEAT key
Press for repeated playback.

❼ Search keys (◀◀,▶▶)
Press to move the played position at high speed in forward or reverse direction.

❽ Skip keys (I◀◀,▶▶I)
Press to skip to the beginning of a track.

REMOTE CONTROL

When the amplifier is connected with the T-601 tuner, DP-601 CD player, X-601 cassette deck through system control cords, these components can be operated from the remote control unit provided with this system.



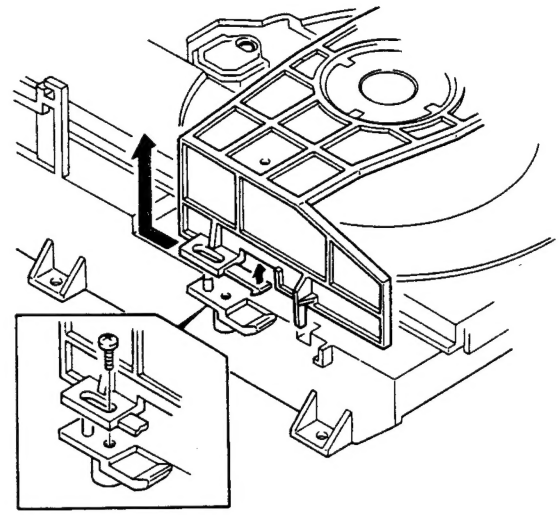
Model: RC-601
Infrared ray system

DISASSEMBLY FOR REPAIR

1. How to Remove Clamper

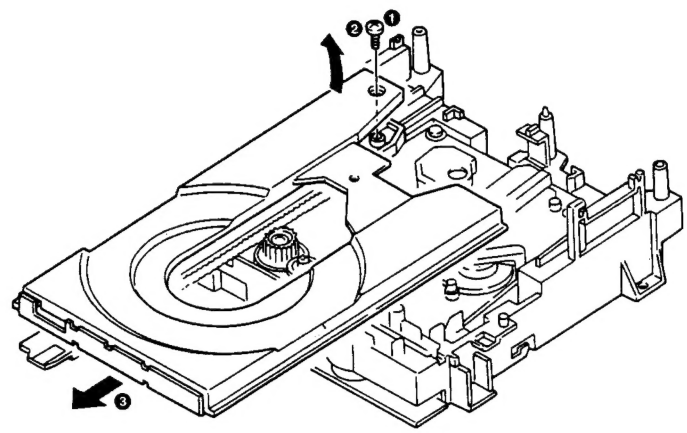
1. Remove the cabinet.
2. Remove both-sides-catchers of clamper ass'y and slide it backwards.
3. Lift the clamper ass'y.

Note : If broken catcher, use screw (2.6 x 8 : N89-2608-46) to fix it.



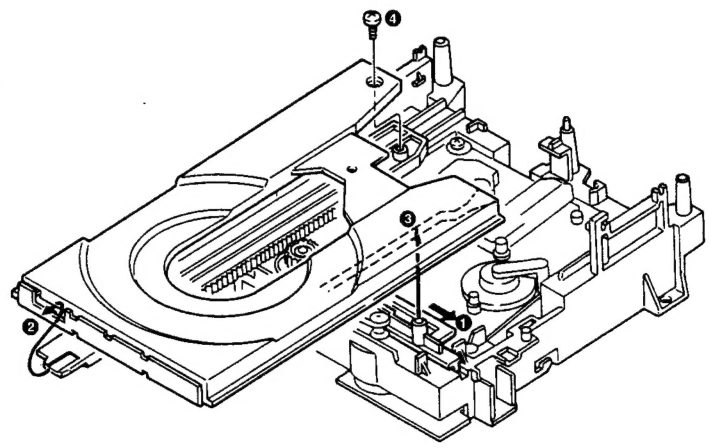
2. How to Remove Tray

1. Turn power switch off after tray is open.
2. Remove screw (❶).
3. Lift the tray (❷).
4. Slide the tray frontwards and remove it (❸).



3. How to Mount Tray

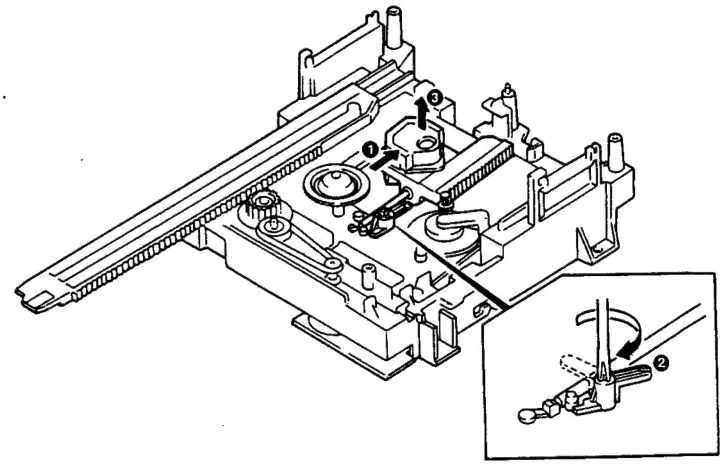
1. Slide slider fully rightwards and pull out tray gear frontwards (❶).
2. Insert tray gear in slit of tray (❷).
3. Set tray-back-groove to boss of slider (❸).
4. Fix tray with screw (❹).



DISASSEMBLY FOR REPAIR

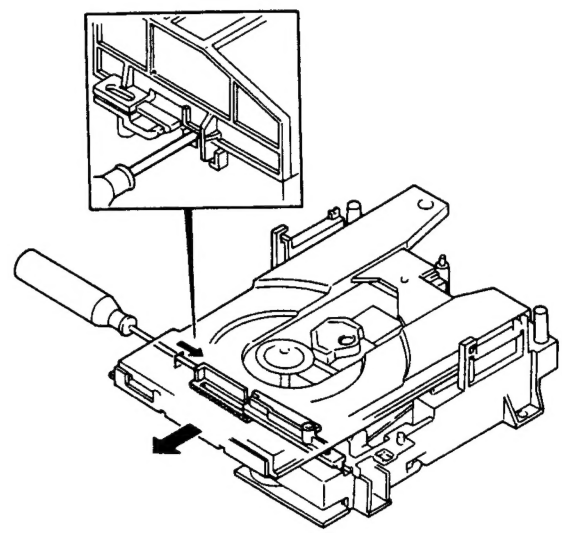
4. How to Replace Pickup

1. Remove clamper ass'y and set tray-open.
2. Move pickup at center position of its all travel (❶).
3. Turn rod stopper (❷) and lift pickup ass'y (❸).

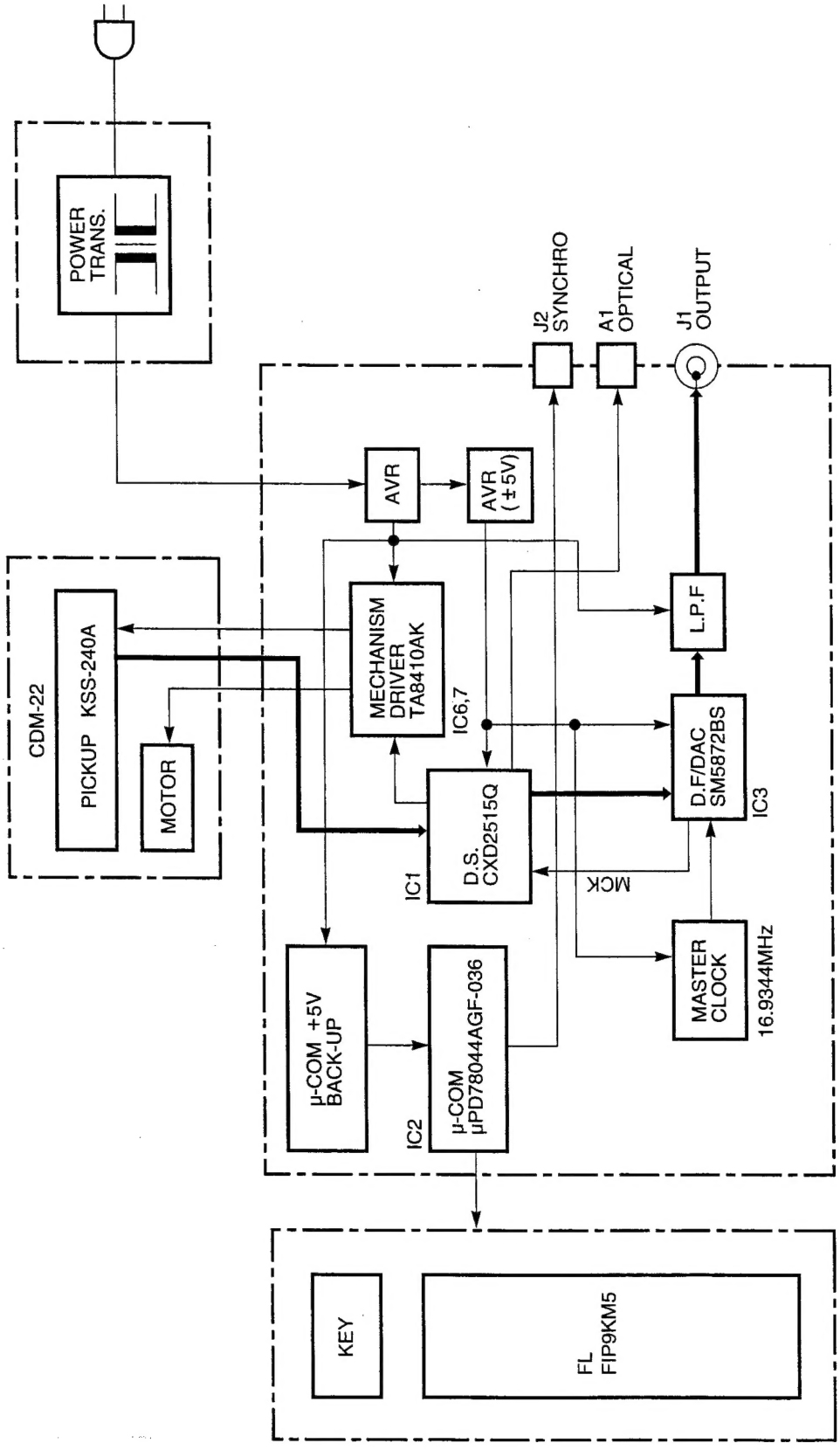


5. How to Open Tray when Tray Not Come Out

1. Insert screw driver to left-side hole of mechanism ass'y.
2. Push slider rightwards.



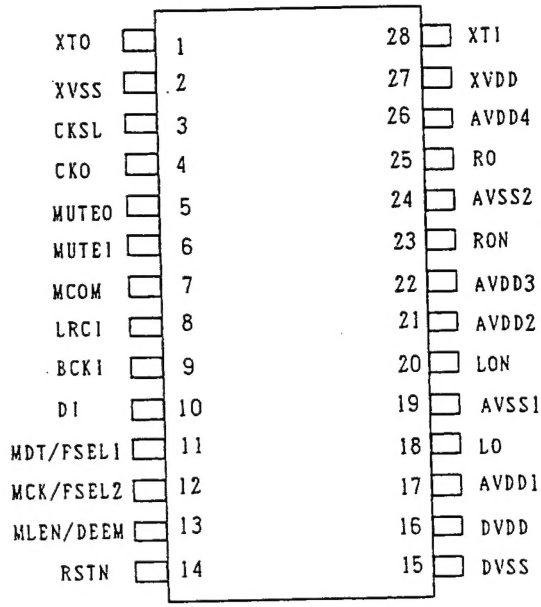
BLOCK DIAGRAM



CIRCUIT DESCRIPTION

1. 8 Times over sampling 16 bits digital D.A.C : SM5872BS(IC3)

1-1. Pin Connection



1-2 Pin function

Pin NO.	Pin name	I/O	Function
1	XTO	O	O Oscillation output
2	XVss	-	Crystal GND
3	CKSL	IP	Connect H level
4	CKO	O	Oscillation output
5	MUTEO	O	Infinity zero detection
6	MUTEI	IP	Mute input H=on/L=off
7	MCOM	IP	Interface select, H=control MDT, MCK, MLEN/L=FSEL1, FSEL2, DEEM
8	LRCI	IP	Input data sample rate(fs) clock. H=L-ch/L=R-ch
9	BCKI	IP	Input data bit clock
10	DI	IP	Input data
11	MDT/FSEL1	IP	MCOM=H : MDT
12	MCK/FSEL2	IP	MCOM=H : MCK
			MCOM=L FSEL2 / FSEL1 / L / H L / 44.1kHz / 48.0kHz H / (44.1kHz) / 32.0kHz
13	MLEN	IP	MCOM=H : MLEN (microprocessor interface latch enable)
			MCOM=L : DEEM (deemphasis control (DEEM=H/L;emphasis=on/off))
14	RSTN	-	System reset (H=normal/L=reset)
15	DVss	-	Digital GND
16	Vdd	-	Digital Vdd (5V)
17	AVdd1	-	Analog Vdd (5V)
18	LO	O	L-ch PWM output(+)
19	AVss1	-	Analog GND
20	LON	O	L-ch PWM output(-)
21	AVdd2	-	Analog Vdd (5V)
22	AVdd3	-	Analog Vdd (5V)
23	RON	O	R-ch PWM output
24	AVss2	-	Analog GND
25	RO	O	R-ch PWM output
26	AVdd4	-	Analog Vdd (5V)
27	XVdd	-	Oscillation Vdd (5V)
28	XTI	I	Oscillation input (384fs)

IP = Input pin with pull-up resistor

ADJUSTMENT

Test Mode

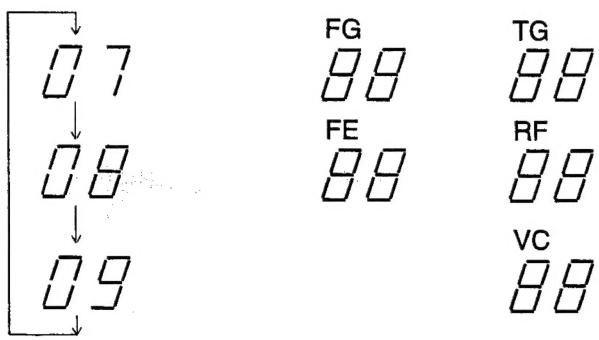
Setting the test mode

This microprocessor built this unit can be put to TEST MODE by just short-circuiting the test pins (#5 and #6) of main unit.

Key and functions valid in test mode

NO.	Input key	Function	Track No. display
1	PLAY/PAUSE (▶/II)	(1)Focusing servo .....ON (2) Tracking servo .....ON (3) Feed servo.....ON	TRACK NO. 05 ↓ Displayed for a few seconds after completion (1), (2) and (3). ↓ Time. (Play mark), and Disc Track No. are displayed.
2	STOP (■)	(1) Focusing servo .....OFF (2) Tracking servo .....OFF (3) Feed servo.....OFF	*See below
3	UP (▶▶I)	Turns all FL display lamps ON.	TRACK NO. 88
4	DOWN (I◀◀)	Turns all FL display lamps OFF.	TRACK NO. 88 TRACK NO. is lighted.

*TRACK NO.



ADJUSTMENT-FREE

This device(CXD2515) has AVERAGE and AUTO GAIN CONTROL circuitry in its as DP-601 is adjustment-free.

Please confirm the self-check value on display as follows and dc voltage in schematic diagram before replacing pickup.

SELF-CHECK VALUE TABLE

	DISPLAY VALUE
FOCUS GAIN (FG)	18<FG<57
TRACKING GAIN (TG)	19<TG<68
CENTER VOLTAGE (VC)	25<VC<75
FOCUS ERROR BALANCE (FE)	25<FE<75
RATIO FREQUENCY (RF)	57<RF<66

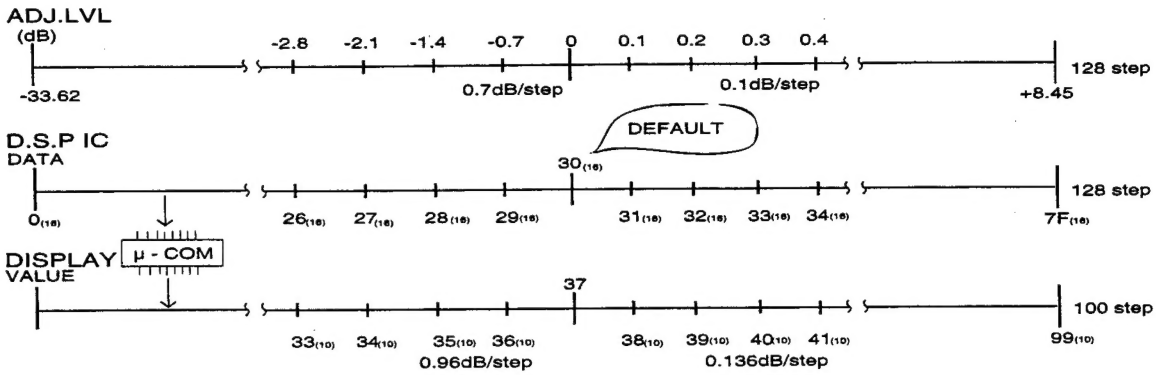
These value is by test disk KTD-02, YEDS-18, and YCD781.

PGM in the display is blink if not adjust. Please check circuit.

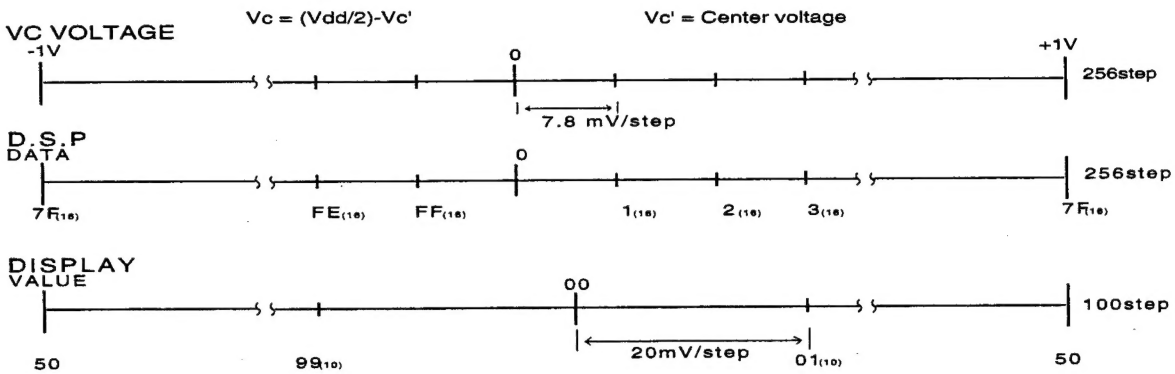
ADJUSTMENT

SELF-CHECK VALUE DISPLAY PROCESS

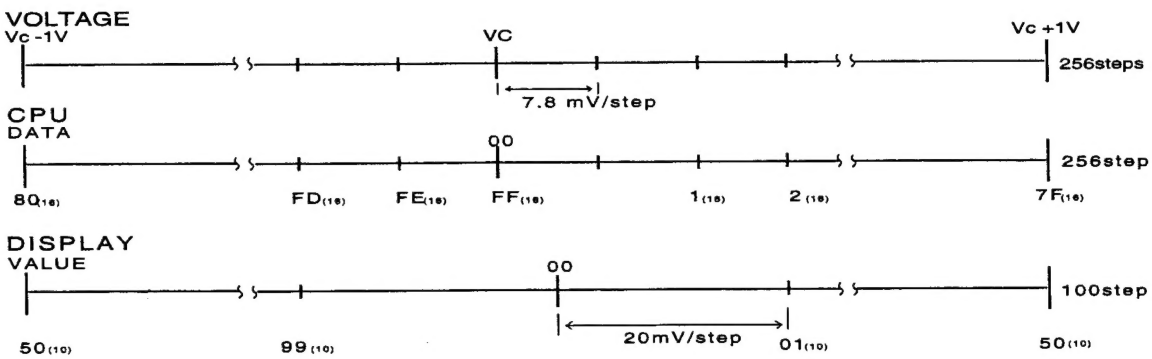
① FG/TG



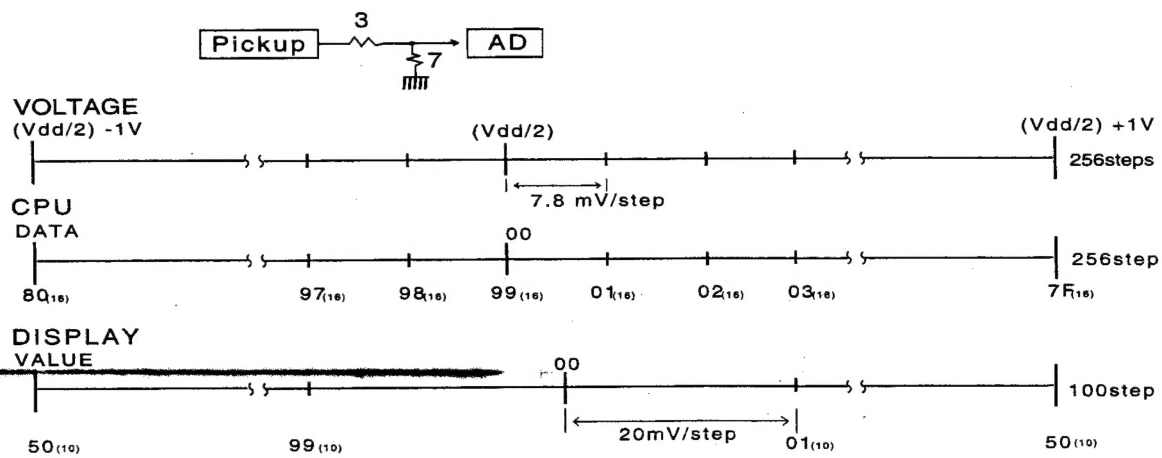
② VC



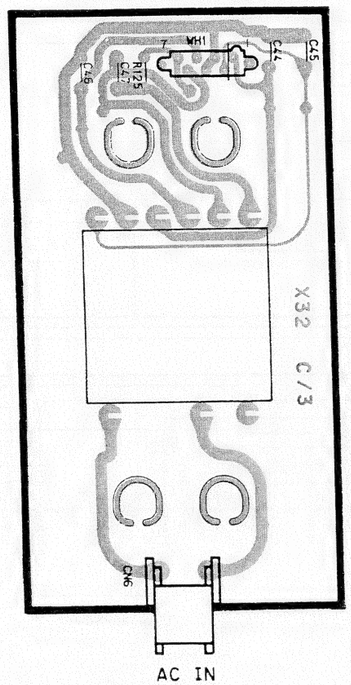
③ FE

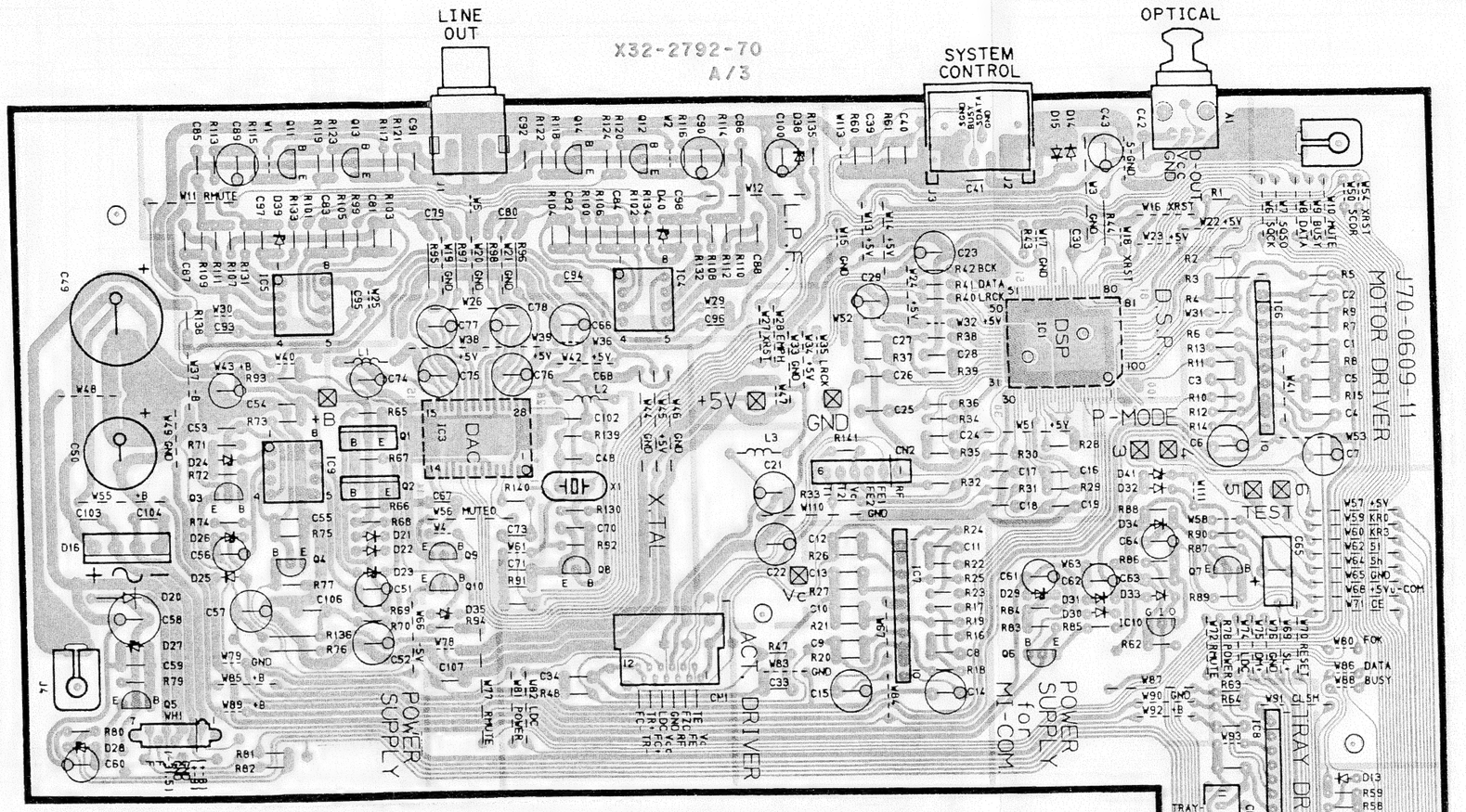


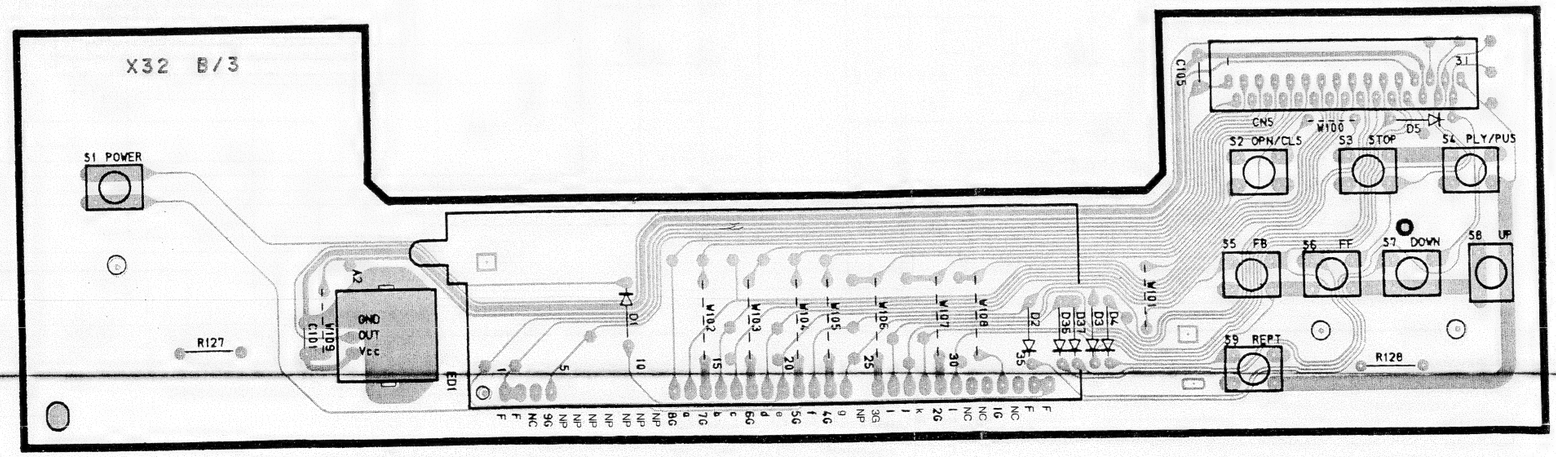
④ RF



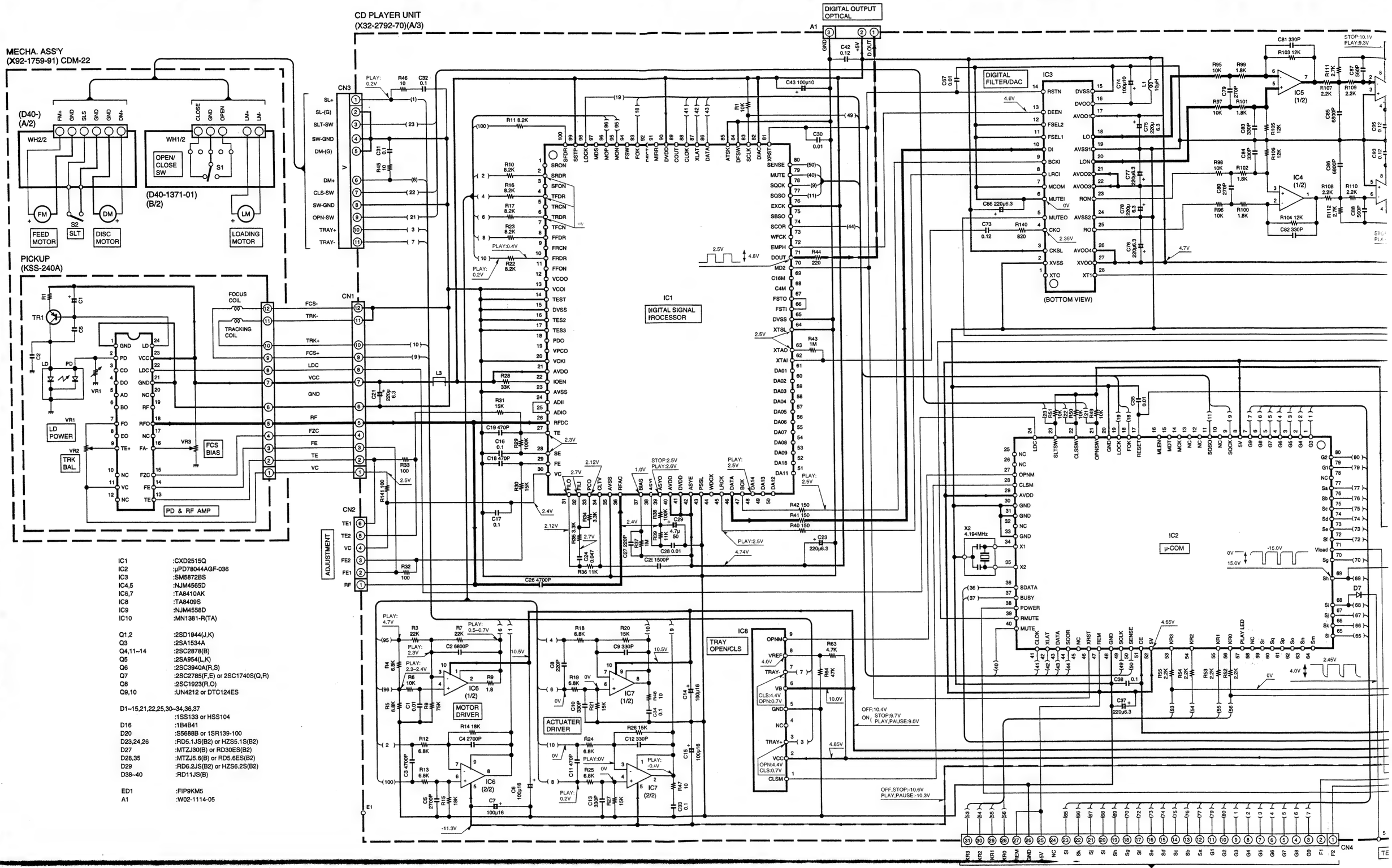
PC BOARD (COMPONENT SIDE VIEW)







Refer to the schematic diagram for the value of resistors and capacitors.



IC1 :CXD2515Q
IC2 :μPD78044AGF-036
IC3 :SM5872BS
IC4,5 :NJM4565D
IC6,7 :TA8410AK
IC8 :TA8409S
IC9 :NJM4558D
IC10 :MN1381-R(TA)

Q1,2 :2SD1944(J,K)
Q3 :2SA1534A
Q4,11~14 :2SC2878(B)
Q5 :2SA954(L,K)
Q6 :2SC3940A(R,S)
Q7 :2SC2785(F,E) or 2SC1740S(Q,R)
Q8 :2SC1923(R,O)
Q9,10 :UN4212 or DTC124ES

D1~15,21,22,25,30~34,36,37 :1SS133 or HSS104
D16 :1B4B41
D20 :S5688B or 1SR139-100
D23,24,26 :RD5.1JS(B2) or HZS5.1S(B2)
D27 :MTZJ30(B) or RD30ES(B2)
D28,35 :MTZJ5.6(B) or RD5.6ES(B2)
D29 :RD6.2JS(B2) or HZS6.2S(B2)
D38~40 :RD11JS(B)

ED1 :FIP9KM5
A1 :W02-1114-05

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is retuned to the customer.

- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

F G H I J K L M N O

DIGITAL OUTPUT OPTICAL

A1

IC1 DIGITAL SIGNAL PROCESSOR

DIGITAL FILTER/DAC

IC3

(BOTTOM VIEW)

IC2 μ-COM

IC4 (1/2)

IC4 (2/2)

IC5 (1/2)

IC5 (2/2)

IC7 (1/2)

IC7 (2/2)

IC8 TRAY OPEN/CLS

IC9 (1/2)

IC9 (2/2)

IC10 RESET IC

J1 Lch / Rch — LINE OUT 2Vrms.

J2 SBUSY SDATA GND SBUSY SDATA GND — SYSTEM CONTROL

J3 S.GND

J4

CN4

TEST

P-MODE

±5V AVR

STOP:10.1V PLAY:9.3V

STOP,PAUSE:0.7V PLAY:-5.0V

STOP:-11.0V PLAY:-10.0V

STOP,PAUSE:-4.3V PLAY:-1.5V

STOP,PAUSE:0V PLAY:3.4V

STOP,PAUSE:5.0V PLAY:0V

STOP:2.5V PLAY:2.6V

PLAY: 2.5V

PLAY:2.5V

OFF:10.4V ON: STOP:9.7V PLAY,PAUSE:9.0V

OFF,STOP:-10.6V PLAY,PAUSE:-10.3V

POWER OFF:0V ON:0.7V

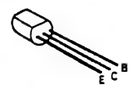
POWER OFF:1.8V ON:-5.7V

POWER OFF:0.24V ON:-5.1V

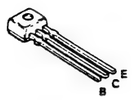
voltages are as measured with a high impedance voltmeter. Values may vary slightly to variations between individual instruments or/and units.

L M N O P Q R S T U

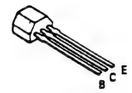
2SA1534A
2SA954
2SC1923
2SC2878
2SC3940A



2SC2785

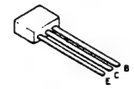


DTC124ES
2SC1740S

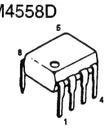


2SD1944

UN4212



NJM4558D



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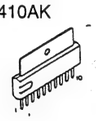
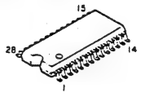
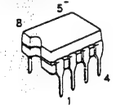


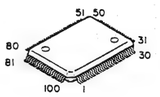
SM5872BS



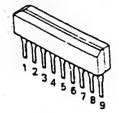
NJM4565D



CXD2515Q



TA8409S

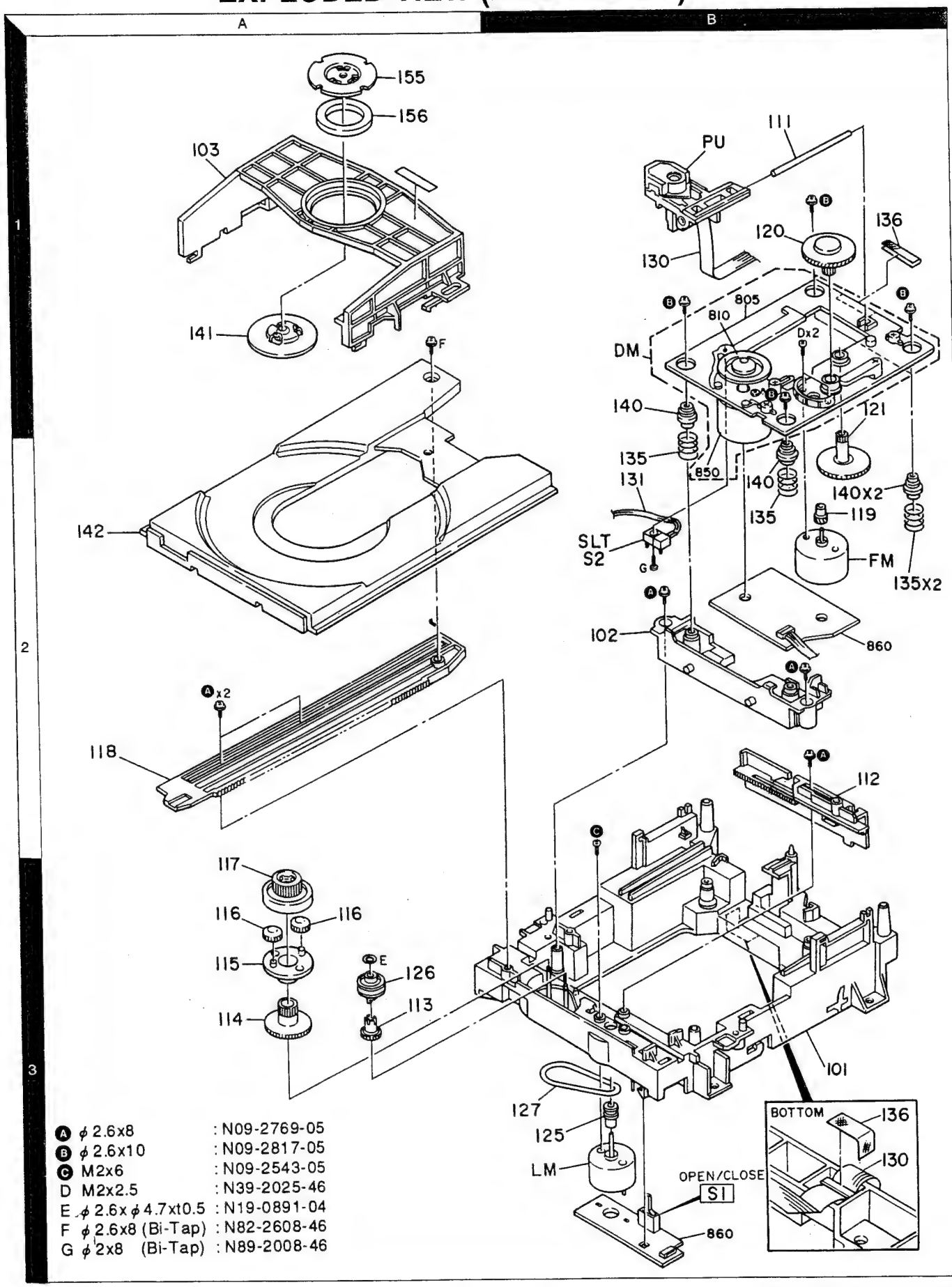


DP-601

KENWOOD

Y22-3840-51

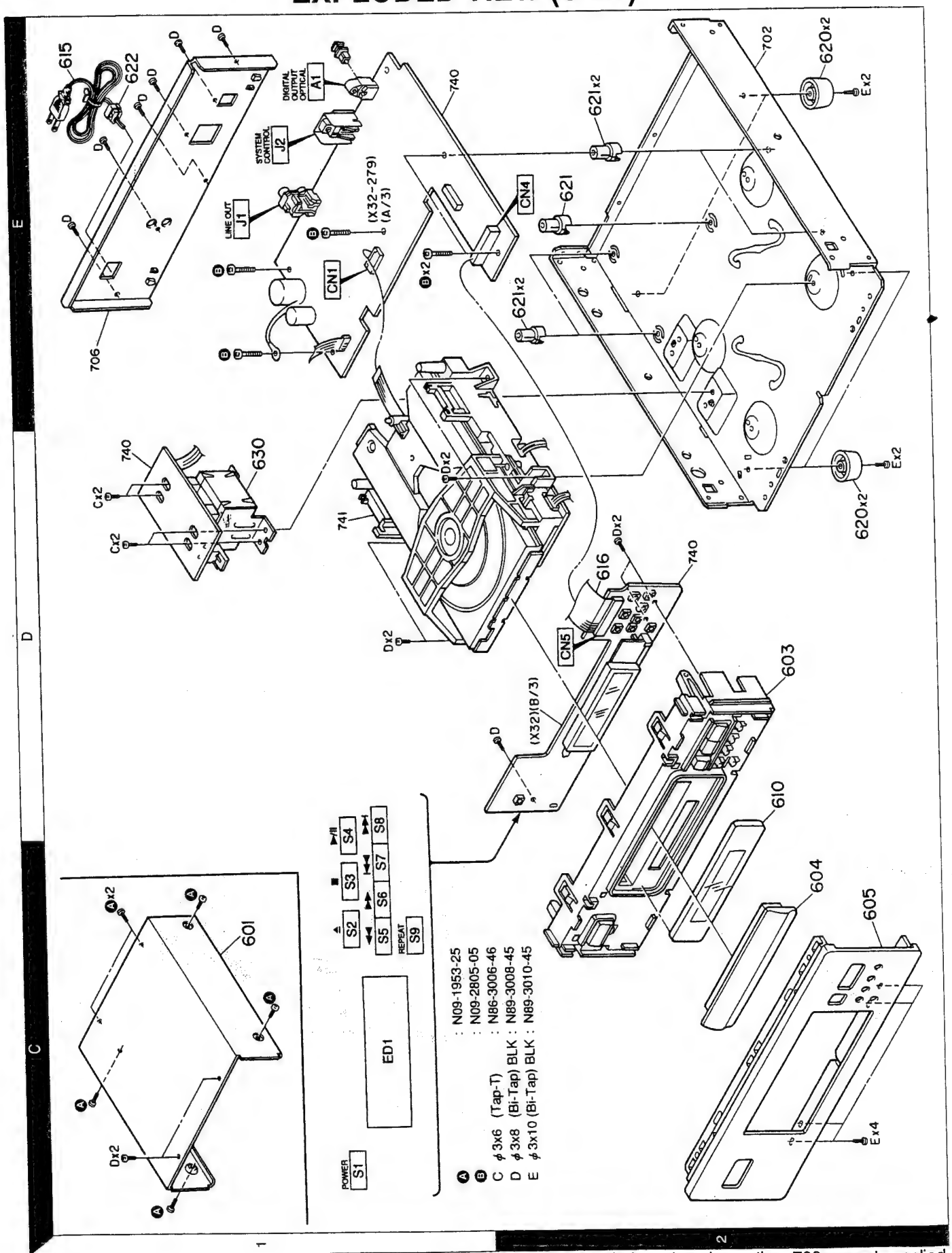
EXPLODED VIEW (MECHANISM)



A	φ 2.6x8	: N09-2769-05
B	φ 2.6x10	: N09-2817-05
C	M2x6	: N09-2543-05
D	M2x2.5	: N39-2025-46
E	φ 2.6x φ 4.7xt0.5	: N19-0891-04
F	φ 2.6x8 (Bi-Tap)	: N82-2608-46
G	φ 2x8 (Bi-Tap)	: N89-2008-46

Parts with the exploded numbers larger than 700 are not supplied

EXPLODED VIEW (UNIT)



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Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格			Destination 仕向	Remarks 備考
DP-601								
601	1C	*	A01-3160-11	METALLIC CABINET				
603	2D	*	A22-1682-01	SUB PANEL				
604	2C	*	A29-0378-03	PANEL (TRAY)				
605	2C	*	A60-0622-02	PANEL				
610	2D	*	B10-2051-04	FRONT GLASS				
⚠ 615	1E		E30-2592-15	AC POWER CORD			E	
⚠ 615	1E		E30-2602-05	AC POWER CORD			T	
616	2D		E31-4937-05	WIRING HARNESS				
-			H10-5838-02	POLYSTYRENE FOAMED FIXTURE				
-			H10-5839-02	POLYSTYRENE FOAMED FIXTURE				
-			H25-0397-04	PROTECTION BAG			E	
-			H25-0659-04	PROTECTION BAG			T	
-		*	H50-1156-14	ITEM CARTON CASE				
620	2D, 2E		J02-0127-05	FOOT				
621	2E		J19-3690-04	UNIT HOLDER				
⚠ 622	1E		J42-0083-05	POWER CORD BUSHING				
-			J61-0307-05	WIRE BAND				
⚠ 630	1D		L07-0588-05	POWER TRANSFORMER				
CONTROL (X32-2792-70)								
C1			CF92FV1H103J	MF	0.010UF	J		
C2			CF92FV1H682J	MF	6800PF	J		
C3			CF92FV1H472J	MF	4700PF	J		
C4 ,5			CF92FV1H272J	MF	2700PF	J		
C6 ,7			CE04LW1C101MCC	ELECTRO	100UF	16WV		
C8			CF92FV1H221K	MF	220PF	K		
C9 ,10			CF92FV1H331K	MF	330PF	K		
C11			CF92FV1H471J	MF	470PF	J		
C12 ,13			CF92FV1H331K	MF	330PF	K		
C14 ,15			CE04LW1C101MCC	ELECTRO	100UF	16WV		
C16 ,17			CF92FV1H104J	MF	0.10UF	J		
C18 ,19			CF92FV1H471J	MF	470PF	J		
C21			CE04LW0J221MCC	ELECTRO	220UF	6.3WV		
C23			CE04LW0J221MCC	ELECTRO	220UF	6.3WV		
C24			CF92FV1H473J	MF	0.047UF	J		
C25			CF92FV1H152J	MF	1500PF	J		
C26			CF92FV1H472J	MF	4700PF	J		
C27			CF92FV1H221K	MF	220PF	K		
C28			CF92FV1H103J	MF	0.010UF	J		
C29			CE04LW1H4R7MCC	ELECTRO	4.7UF	50WV		
C30			CF92FV1H103J	MF	0.010UF	J		
C31 -34			CF92FV1H104J	MF	0.10UF	J		
C35 ,36			CF92FV1H103J	MF	0.010UF	J		
C37			CE04LW0J221MCC	ELECTRO	220UF	6.3WV		
C38			CF92FV1H104J	MF	0.10UF	J		
C39 ,40			CF92FV1H221K	MF	220PF	K		
C41			CF92FV1H103J	MF	0.010UF	J		
C42			CF92FV1H124J	MF	0.12UF	J		
C43			CE04LW1A101MCC	ELECTRO	100UF	10WV		
C44 ,45			CF92FV1H124J	MF	0.12UF	J		
~~C46 ,47~~			~~CF92FV1H103J~~	MF	0.010UF	J		
C48			CC45FSL1H390J	CERAMIC	39PF	J		

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PARTS LIST

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Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
C49			CE04LW1C332MCC	ELECTRO 3300UF 16WV		
C50			CE04LW1C222MCC	ELECTRO 2200UF 16WV		
C51			CE04LW1V100MCC	ELECTRO 10UF 35WV		
C52			CE04LW0J221MCC	ELECTRO 220UF 6.3WV		
C53 ,54			CF92FV1H124J	MF 0.12UF J		
C55			CF92FV1H103J	MF 0.010UF J		
C56			CE04LW1V100MCC	ELECTRO 10UF 35WV		
C57			CE04LW0J221MCC	ELECTRO 220UF 6.3WV		
C58			CE04LW1H101MCC	ELECTRO 100UF 50WV		
C59			CF92FV1H124J	MF 0.12UF J		
C60			CE04LW1V100MCC	ELECTRO 10UF 35WV		
C61			CE04LW1C470MCC	ELECTRO 47UF 16WV		
C62			CE04LW1A101MCC	ELECTRO 100UF 10WV		
C63			CF92FV1H103J	MF 0.010UF J		
C64			CE04LW1H010MCC	ELECTRO 1.0UF 50WV		
C65			C90-1826-05	BACKUP 0.047F 5.5WV		
C66			CE04LW0J221MCC	ELECTRO 220UF 6.3WV		
C67			CF92FV1H103J	MF 0.010UF J		
C68			CF92FV1H124J	MF 0.12UF J		
C70			CC45FSL1H221J	CERAMIC 220PF J		
C71			CC45FSL1H101J	CERAMIC 100PF J		
C73			CF92FV1H124J	MF 0.12UF J		
C74			CE04LW1A101MCC	ELECTRO 100UF 10WV		
C75 -78			CE04LW0J221MCC	ELECTRO 220UF 6.3WV		
C79 ,80			CF92FV1H271K	MF 270PF K		
C81 -84			CF92FV1H331K	MF 330PF K		
C85 ,86			CF92FV1H682J	MF 6800PF J		
C87 ,88			CF92FV1H561J	MF 560PF J		
C89 ,90			CE04LW1H470MCC	ELECTRO 47UF 50WV		
C91 ,92			CF92FV1H471J	MF 470PF J		
C93 -96			CF92FV1H124J	MF 0.12UF J		
C97 ,98			CF92FV1H472J	MF 4700PF J		
C100			CF92FV1H124J	MF 0.12UF J		
C102-104			CF92FV1H124J	MF 0.12UF J		
C105-107			CF92FV1H104J	MF 0.10UF J		
CN1	1E		E40-4631-05	FLAT CABLE CONNCTOR(PICKUP)		
CN4	2E		E40-4171-05	FLAT CABLE CONNCTOR		
CN5	2D		E40-4211-05	FLAT CABLE CONNCTOR		
J1	1E	*	E63-0122-05	PHONO JACK (LINE OUT)		
J2	1E		E08-0312-05	RECTAN. RECEPTACLE (SYNCHRO)		
J3		*	F10-0954-04	SHIELDING PLATE		
-			J11-0098-05	WIRE CLAMPER (E1)		
-			J19-3392-04	HOLDER (PL)		
L1 ,2			L40-1001-17	SMALL FIXED INDUCTOR(10UH,K)		
L3			L92-0018-05	FERRITE CORE		
X1			L77-1164-05	CRYSTAL RESONATOR(16.9344MHZ)		
X2			L78-0267-05	RESONATOR (4.194MHZ)		
R131,132			RN14BK2C22R0F	RN 22.0 F 1/6W		
R133,134			RN14BK2C2203F	RN 220K F 1/6W		
R138			RN14BK2C2202F	RN 22.0K F 1/6W		
S1 -9	1C,1D		S40-1064-05	PUSH SWITCH		
D1 -15			HSS104	DIODE		

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D1 -15			1SS133	DIODE		
⚠ D16			1B4B41	DIODE		
⚠ D20			S5688B	DIODE		
⚠ D20			1SR139-100	DIODE		
D21 ,22			HSS104	DIODE		
D21 ,22			1SS133	DIODE		
D23 ,24			HZS5.1S(B2)	ZENER DIODE		
D23 ,24			RD5.1JS(B2)	ZENER DIODE		
D25			HSS104	DIODE		
D25			1SS133	DIODE		
D26			HZS5.1S(B2)	ZENER DIODE		
D26			RD5.1JS(B2)	ZENER DIODE		
D27		*	MTZJ30(B)	ZENER DIODE		
D27			RD30ES(B2)	ZENER DIODE		
D28			MTZJ5.6(B)	ZENER DIODE		
D28			RD5.6ES(B2)	ZENER DIODE		
D29			HZS6.2S(B2)	ZENER DIODE		
D29			RD6.2JS(B2)	ZENER DIODE		
D30 -34			HSS104	DIODE		
D30 -34			1SS133	DIODE		
D35			MTZJ5.6(B)	ZENER DIODE		
D35			RD5.6ES(B2)	ZENER DIODE		
D36 ,37			HSS104	DIODE		
D36 ,37			1SS133	DIODE		
D38 -40			RD11JS(B)	ZENER DIODE		
ED1	1C		FIP9KM5	INDICATOR TUBE		
IC1			CXD2515Q	IC		
IC2			UPD78044AGF-036	MI-COM IC		
IC3			SM5872BS	MOS-IC		
IC4 ,5			NJM4565D	IC(OP AMP X2)		
IC6 ,7			TA8410AK	IC(POWER OP AMP)		
IC8			TA8409S	IC(MOTOR CONTROL)		
IC9			NJM4558D	IC(OP AMP X2)		
IC10			MN1381-R(TA)	IC(VOLTAGE DETECT)		
⚠ Q1 ,2			2SD1944(J,K)	TRANSISTOR		
⚠ Q3			2SA1534A	TRANSISTOR		
Q4			2SC2878(B)	TRANSISTOR		
⚠ Q5			2SA954(L,K)	TRANSISTOR		
⚠ Q6			2SC3940A(R,S)	TRANSISTOR		
Q7			2SC1740S(Q,R)	TRANSISTOR		
Q7			2SC2785(F,E)	TRANSISTOR		
Q8			2SC1923(R,O)	TRANSISTOR		
Q9 ,10			DTC124ES	DIGITAL TRANSISTOR		
Q9 ,10			UN4212	TRANSISTOR		
Q11 -14			2SC2878(B)	TRANSISTOR		
A1	1E		W02-1114-05	OSCILLATING MODULE		
MECHANISM (X92-1759-91)						
101	3B		A10-2974-11	CHASSIS (MAIN)		
102	2B		A11-0756-03	SUB CHASSIS (FRAME)		
103	1A		A11-0757-02	SUB CHASSIS (CLAMPER)		
111	1B		D10-2490-04	ROD		
112	2B		D10-3253-03	SLIDER		
~~113~~	~~3A~~		~~D13-0975-04~~	~~GEAR~~		
114	3A		D13-0976-03	GEAR		

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DP-601

PARTS LIST/SPECIFICATIONS

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115	3A		D13-0977-03	GEAR		
116	3A		D13-0978-03	GEAR (IDLER)		
117	2A		D13-0979-03	GEAR		
118	2A		D13-0980-02	LACK (GEAR)		
119	2B		D13-0894-05	GEAR (MOTOR)		
120	1B		D13-0895-05	GEAR (INTERMEDATE)		
121	1B		D13-0896-05	GEAR (FEED)		
125	3B		D15-0328-04	MOTOR PULLEY		
126	3A		D15-0329-03	PULLEY		
127	3B		D16-0333-03	BELT		
130	1B,3B	*	E35-0904-05	FLAT CABLE		
131	2B		E35-0420-05	LEAD WIRE		
135	2B		G01-3326-14	COMPRESSION SPRING		
136	1B,3B		G10-0146-04	NON-WOVEN FABRIC		
140	1B,2B		J02-1058-15	INSULATOR		
141	1A		J11-0180-03	CLAMPER		
142	2A		J99-0514-01	TRAY		
S1	3B		S33-2062-05	LEVER SWITCH		
S2	2B		S33-1022-05	LEVER SWITCH		
155	1A		T50-1058-04	YOKE		
156	1A		T99-0503-15	MAGNET		
DM	1B		A11-0733-05	SUB CHASSIS ASSY (DISC MOTOR)		
FM	2B		T42-0532-05	DC MOTOR (FEED MOTOR)		
LM	3B		T42-0609-05	DC MOTOR (LOADING MOTOR)		
PU	1B		T25-0022-05	OPTICAL PICKUP HEAD		

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SPECIFICATIONS

Format

System..... compact disc digital audio system
Laser..... Semiconductor laser
Number of channels ..... 2 channels
Playing rotation..... 200 rpm - 500 rpm (CLV)

D/A converter

D / A conversion .....1 Bit
Oversampling ..... 8 fs (352.8 kHz)

Audio

Frequency response..... 4 Hz ~ 20 kHz,±0.5 dB
Signal to noise ratio ..... More than 102 dB
Dynamic range ..... More than 97 dB

Total harmonic distortion .... Less than 0.0037 % (at 1 kHz)
Channel separation .....More than 98 dB (at 1 kHz)
Wow & Flutter ..... Unmeasurable limit
Output level / impedance
..... 2 V / 0.57k n
Digital output
Optical .....-15 dBm ~ -21 dBm
(Wave length 660 nm)

General

Power consumption .....10 W
Dimensions .....W: 270 mm
H: 98 mm
D: 315 mm
Weight (Net)..... 3.5 kg

Note : KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

Note :
Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on, the U.S.A.(K) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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